

4.18 Principal Values of Inverse Trigonometric Functions

472.

x	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
$\arcsin x$	0°	30°	45°	60°	90°
$\arccos x$	90°	60°	45°	30°	0°
x	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	-1	
$\arcsin x$	-30°	-45°	-60°	-90°	
$\arccos x$	120°	135°	150°	180°	

473.

x	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	-1	$-\sqrt{3}$
$\arctan x$	0°	30°	45°	60°	-30°	-45°	-60°
$\operatorname{arccot} x$	90°	60°	45°	30°	120°	135°	150°